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› [Samsung](#) /

› [Samsung RT51CB662A22TL Refrigerator User Manual](#)

## Samsung RT51CB662A22TL

# Samsung RT51CB662A22TL Refrigerator User Manual

Model: RT51CB662A22TL | Brand: Samsung

## 1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Samsung RT51CB662A22TL refrigerator. Please read this manual thoroughly before using the appliance and retain it for future reference.

### Important Safety Instructions:

- Ensure the refrigerator is placed on a stable, level surface.
- Do not block ventilation openings in the appliance enclosure or in the built-in structure.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Unplug the appliance before cleaning or performing any maintenance.
- Keep children away from packaging materials.

## 2. PRODUCT OVERVIEW

The Samsung RT51CB662A22TL is a 465-liter frost-free double door refrigerator featuring a Bespoke design, Digital Inverter Compressor, and Wi-Fi connectivity. It includes various features designed for optimal food preservation and user convenience.

### Key Features:

- **465 Liters Capacity:** Suitable for families with 5 or more members.
- **Frost Free Operation:** Automatic defrosting prevents ice buildup.
- **Digital Inverter Compressor:** Provides energy efficiency, reduced noise, and long-lasting performance.
- **Bespoke Design:** Elegant Clean Black Glass finish.
- **Optimal Fresh+ Drawer:** Designed to keep food fresh for longer.

- **Smart Control Wi-Fi & AI Energy Mode:** For smart management and energy optimization via the SmartThings App.
- **All Round Cooling:** Ensures even cooling throughout the refrigerator.
- **Convertible Modes:** Normal, Extra Fridge, Seasonal, Vacation, Home Alone modes for flexible storage.

## Internal Components:

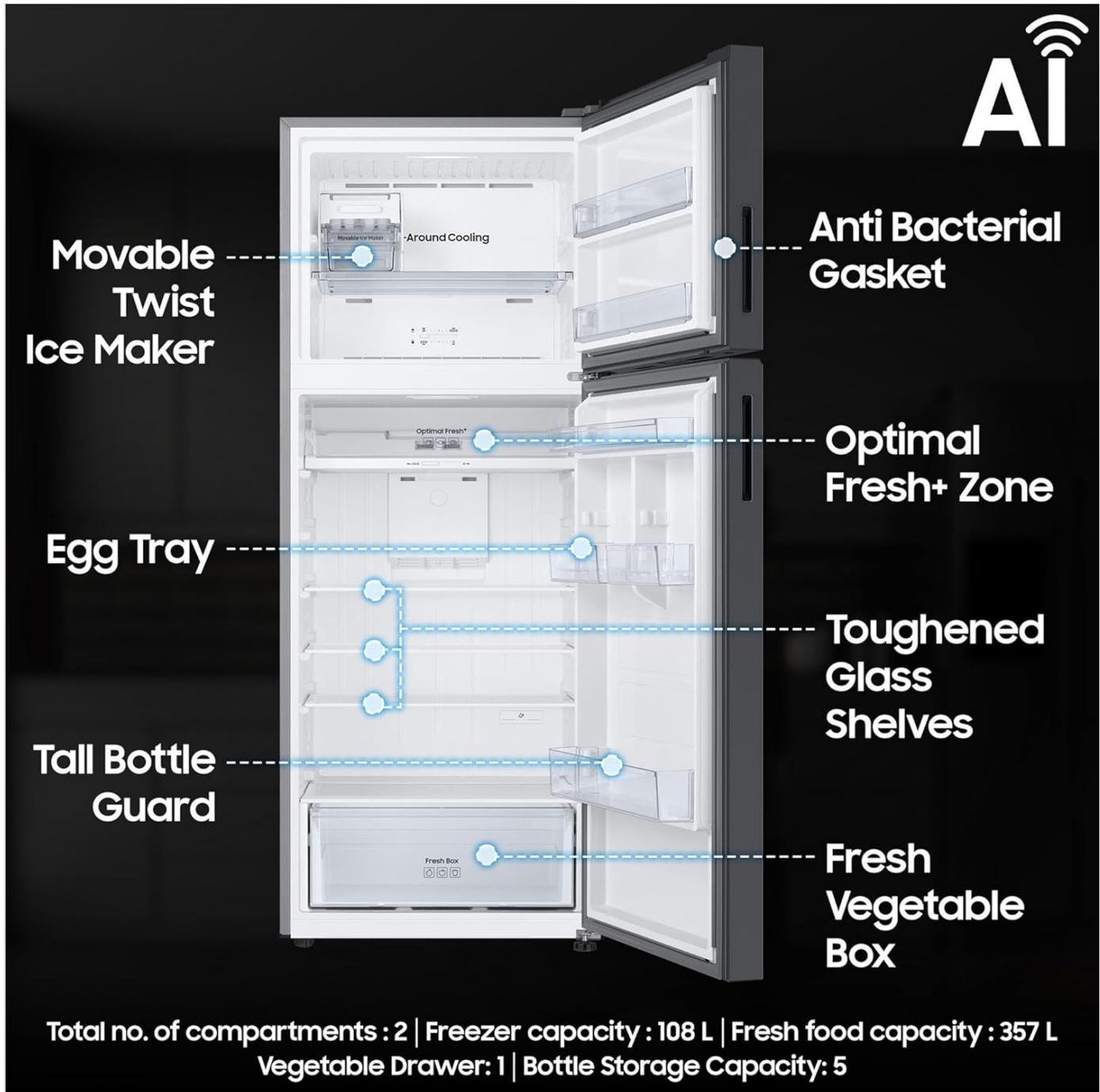


Image: Internal layout of the refrigerator, highlighting key storage areas.

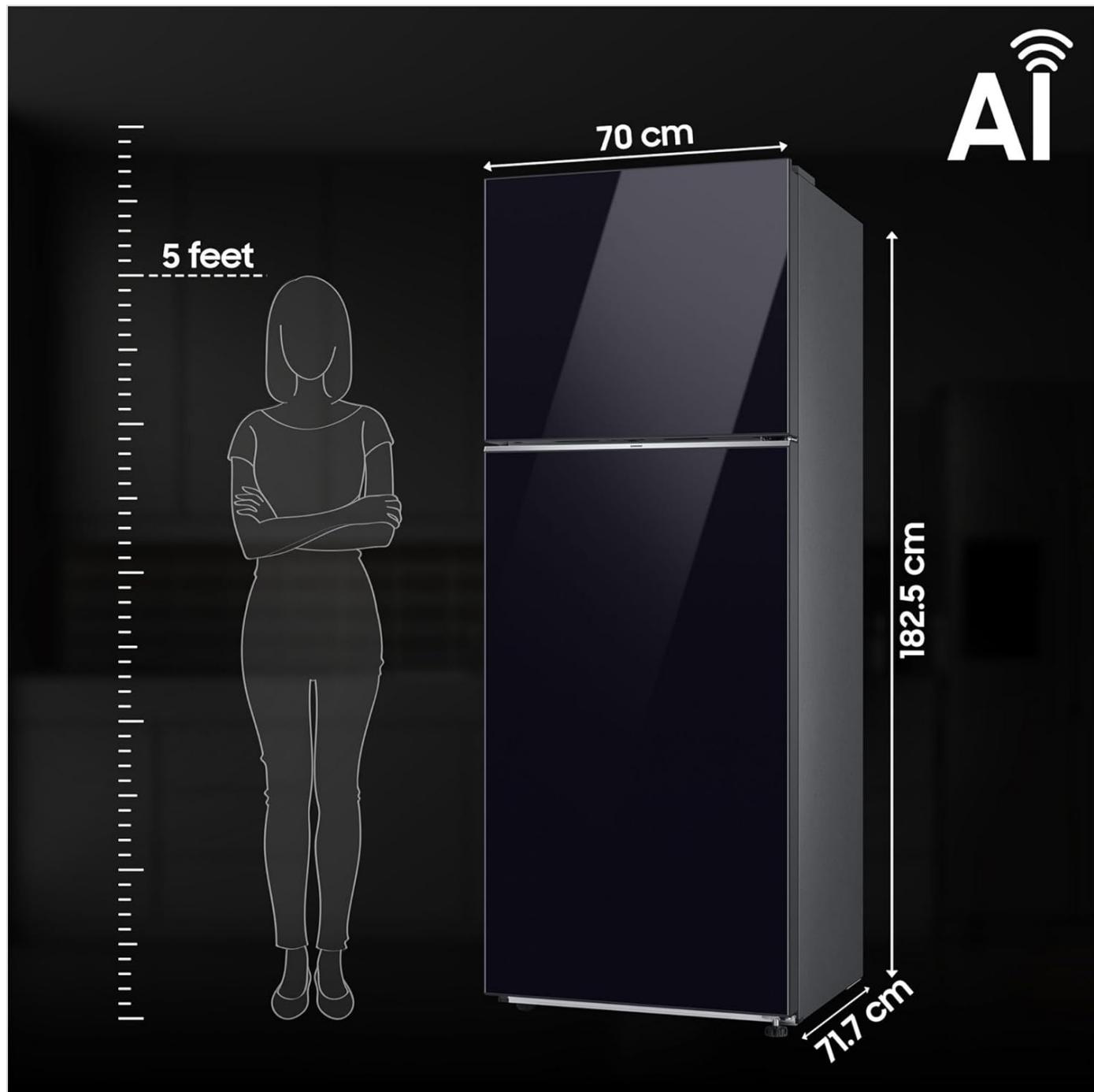
- **Movable Twist Ice Maker:** Located in the freezer compartment for convenient ice production.
- **Optimal Fresh+ Zone:** A dedicated compartment for preserving specific food items.
- **Toughened Glass Shelves:** Durable and easy to clean shelves in the fresh food compartment.
- **Tall Bottle Guard:** Door bins designed to hold tall bottles securely.
- **Fresh Vegetable Box:** A large drawer at the bottom for storing fruits and vegetables.
- **Egg Tray:** For organized storage of eggs.
- **Anti Bacterial Gasket:** Helps prevent the growth of bacteria and keeps the door seal hygienic.

### 3. SETUP AND INSTALLATION

#### Unpacking:

Carefully remove all packaging materials. Inspect the refrigerator for any damage incurred during transit. Keep packaging materials away from children.

#### Placement:



**Image:** Refrigerator dimensions: 71.7 cm (D) x 70 cm (W) x 182.5 cm (H).

- Place the refrigerator on a firm, level floor.
- Allow adequate space around the appliance for proper ventilation (at least 5 cm on sides and back, 10 cm on top).
- Avoid direct sunlight or heat sources.
- Ensure the ambient temperature is within the recommended range for optimal performance.

#### Power Connection:

- Connect the power cord to a dedicated 220V AC outlet.
- Do not use extension cords or adapters.
- Allow the refrigerator to stand for at least 2-3 hours before plugging it in to allow refrigerants to settle.

## 4. OPERATING INSTRUCTIONS

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### Temperature Control:





**Image:** Internal control panel for temperature and SmartThings functions.

The temperature can be adjusted using the internal control panel. Refer to the markings on the panel for specific temperature settings for the refrigerator and freezer compartments. The Optimal Fresh+ Zone also has a separate control for its specific temperature range.

## Special Operating Modes:

Your refrigerator offers several convertible modes to adapt to your needs:

- **Normal Mode:** Standard refrigeration and freezing.
- **Extra Fridge Mode:** Converts the freezer compartment into an additional refrigerator space.
- **Seasonal Mode:** Optimized settings for different seasons.
- **Vacation Mode:** Energy-saving mode for extended periods of absence.
- **Home Alone Mode:** Adjusts cooling based on reduced usage.
- **Power Cool:** Rapidly cools the refrigerator compartment.

Refer to the control panel or SmartThings app for instructions on activating these modes.

## SmartThings App Connectivity:



Compatible with  
SmartThings App



Power  
Cool



15 Days  
Fresh Food  
\*Up to

AI



Bar  
Handle

Email - [support.india@samsung.com](mailto:support.india@samsung.com)  
Tel (Toll Free): 1800 40 7267864 and WhatsApp number: 1800-57-267864

**Image:** Refrigerator highlighting SmartThings App compatibility and AI features.

This refrigerator is compatible with the Samsung SmartThings App. Download the app on your smartphone and follow the in-app instructions to connect your refrigerator to your home Wi-Fi network. This allows for remote control, monitoring, and activation of features like AI Energy Mode.

## 5. MAINTENANCE AND CARE

### Cleaning the Refrigerator:

AI



**Image:** Rear view of the refrigerator, indicating easy-clean design.

- Exterior:** Wipe the exterior surfaces with a soft, damp cloth and mild detergent. For the Clean Black Glass finish, use a glass cleaner and a microfiber cloth to avoid streaks.
- Interior:** Clean the interior with a solution of mild soap and warm water. Remove shelves and drawers for thorough cleaning. Rinse and dry thoroughly.
- Door Gasket:** Regularly clean the anti-bacterial door gasket with a damp cloth to ensure a tight seal.
- Rear Panel:** The rear panel is designed for easy cleaning. Ensure the refrigerator is unplugged before cleaning the back.

**Caution:** Always unplug the refrigerator before cleaning. Do not spray water directly onto the appliance.

### Defrosting:

This is a frost-free refrigerator, meaning manual defrosting is not required. The appliance automatically defrosts at regular intervals. Ensure the drain hole for defrost water is not blocked.

### Replacing Components:

For replacement of internal components like shelves or drawers, contact Samsung customer support or an authorized service center.

## 6. TROUBLESHOOTING

Before contacting service, please check the following common issues and solutions:

Problem	Possible Cause	Solution
Refrigerator not cooling	Power cord unplugged, temperature setting too high, door not closed properly.	Check power connection, adjust temperature, ensure door is sealed.
Excessive noise	Refrigerator not level, items rattling inside, compressor noise (normal).	Level the appliance, rearrange items, compressor noise is part of normal operation.
Water leakage	Drain hole blocked, water tray overflowing.	Clear the drain hole, check and empty the water tray if accessible.
SmartThings app connectivity issues	Wi-Fi signal weak, incorrect app settings, router issues.	Check Wi-Fi signal strength, restart router, reconfigure app settings.

If the problem persists after checking these points, please contact Samsung customer support.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Samsung
Model Number	RT51CB662A22TL
Total Capacity	465 Liters
Fresh Food Capacity	357 Liters
Freezer Capacity	108 Liters
Annual Energy Consumption	340 Kilowatt Hours Per Year
Defrost System	Frost Free
Compressor Type	Digital Inverter Compressor
Installation Type	Freestanding
Form Factor	Convertible, Freezer-on-Top
Color	Clean Black Glass
Voltage	220 Volts
Wattage	50 Watts
Item Dimensions (LxWxH)	71.7 x 70 x 182.5 Centimeters

Feature	Detail
Item Weight	73 kg
Shelf Type	Toughened Glass
Included Components	1 Refrigerator Unit, 1 User Manual, Warranty Card

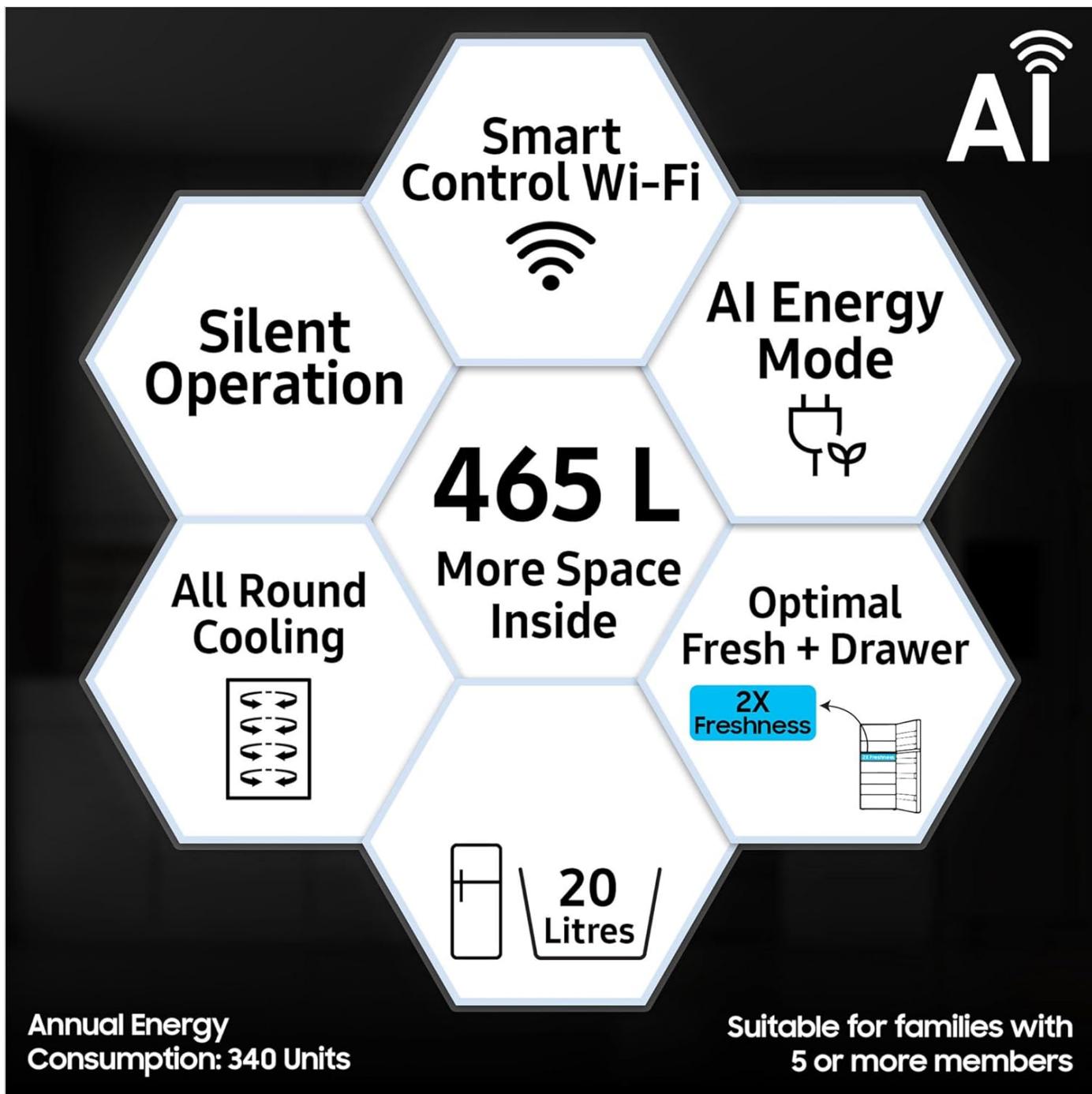
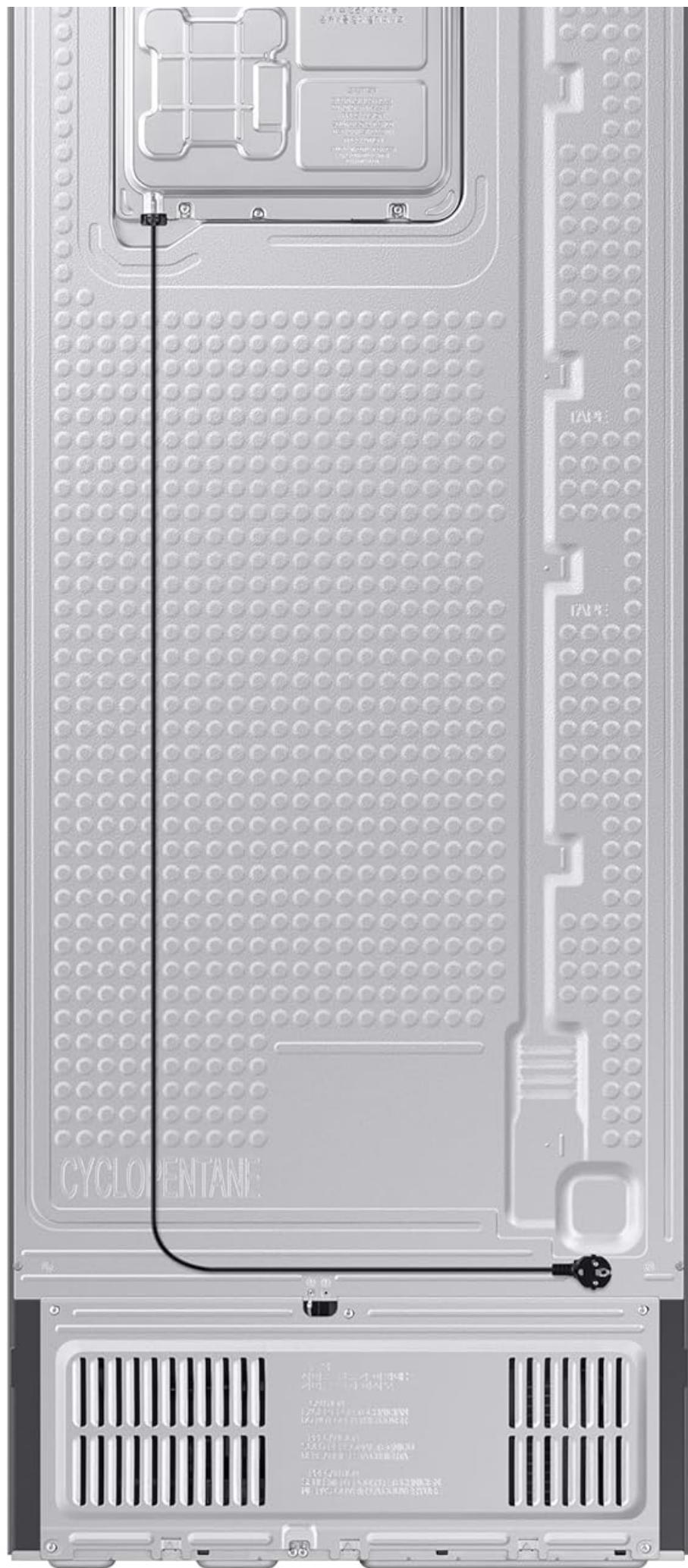


Image: Visual summary of key features including capacity, AI Energy Mode, and Optimal Fresh+ Drawer.





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Image: Power Savings Guide label showing annual energy consumption of 340 units.

## 8. WARRANTY AND SUPPORT

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### Warranty Information:

- **Comprehensive Warranty:** 1 year on the entire product.
- **Digital Inverter Compressor Warranty:** 20 years on the digital inverter compressor.

Please retain your purchase receipt and warranty card for any warranty claims. The warranty covers manufacturing defects under normal use conditions.

### Customer Support:

For technical assistance, service requests, or inquiries, please contact Samsung customer support:

- **Email:** [support.india@samsung.com](mailto:support.india@samsung.com)
- **Toll Free:** 1800 40 7267864
- **WhatsApp:** 1800-57-267864

You can also visit the official Samsung India website for more information and support resources.

